

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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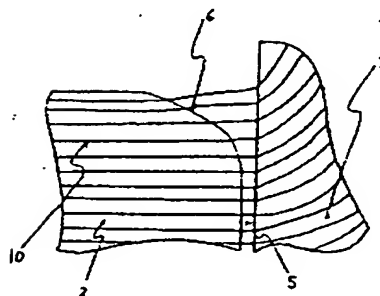
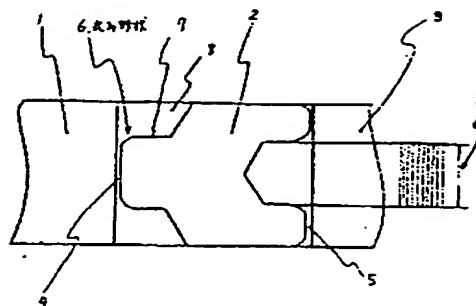
APPLICATION DATE : 08-07-86  
APPLICATION NUMBER : 61159922

APPLICANT : SEIKO EPSON CORP;

INVENTOR : IWAMOTO OSAMU;

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TITLE : MAGNETIC HEAD



ABSTRACT : PURPOSE: To avoid deterioration in the reproduction output by securing a round shape at both end parts of a gap in order to prevent the spread of a generated magnetic field.

CONSTITUTION: A groove 7 prescribing the signal width 9 encloses a center core 2 and a glass 8 is used to weld a 1st core 1, the core 2 and a 3rd core 3 together for production of a magnetic head. In this welding stage the temperature is kept at a certain level so that the glass viscosity is set at about  $(5 \times 10^3)$  poise with the holding time set at 3hr, for example. Thus a round shape 6 is secured at both ends of a gap respectively. The roundness of the shape 6 can be changed freely by varying the combination of the holding temperature and the holding time of the glass 8. Furthermore, a ferromagnetic field is produced only at the inside of the gap and both end parts of the gap have weak magnetic fields with no concentration of magnetic fluxes owing to the shapes 6. Thus the generated magnetic field has no outward spread.

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